

Development of Sabin-Inactivated Poliovirus Vaccine

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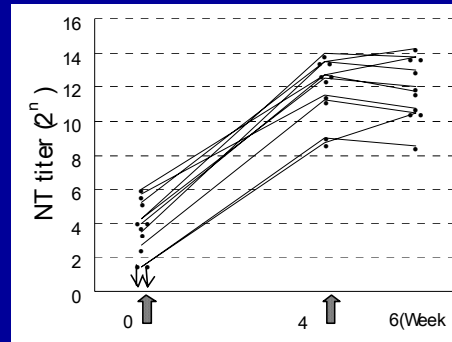
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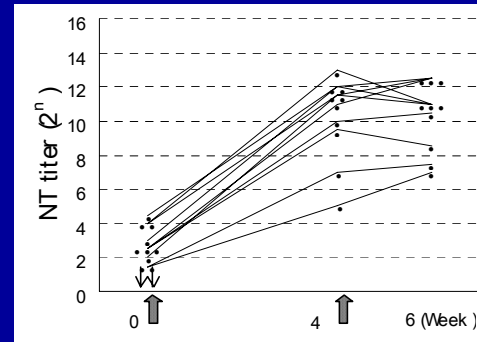
Antibody response in adults

P1

Sabin 1

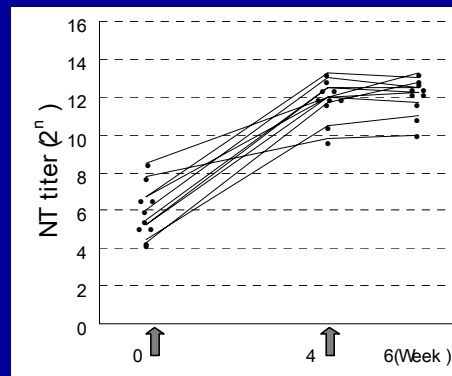


Mahoney

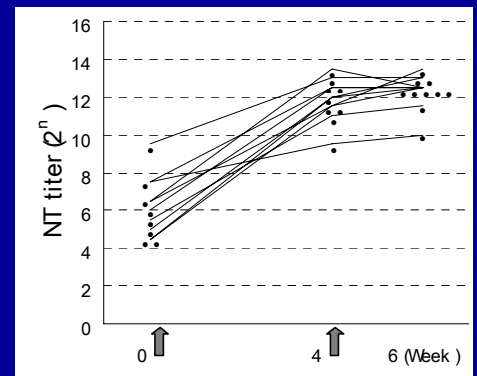


P2

Saibin 2

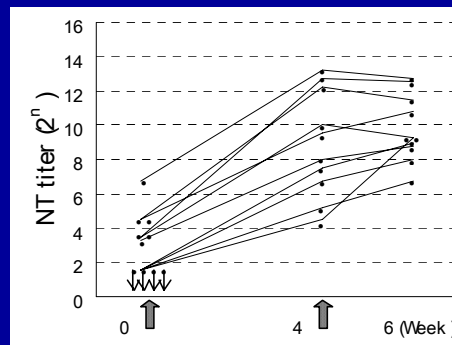


MEF-1

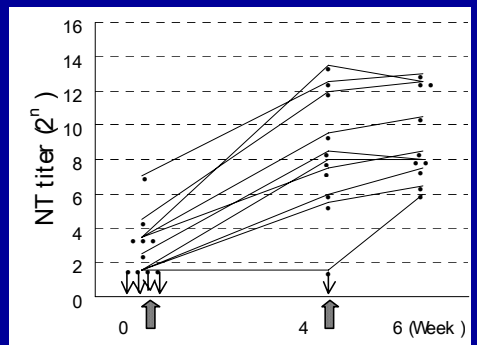


P3

Sabin 3



Saukett

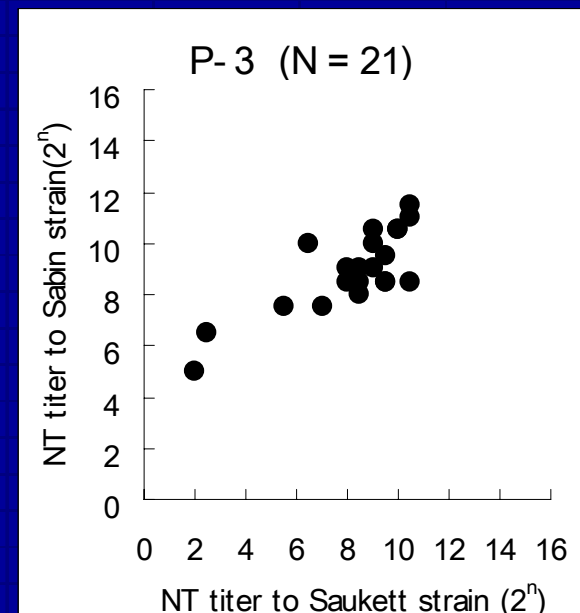
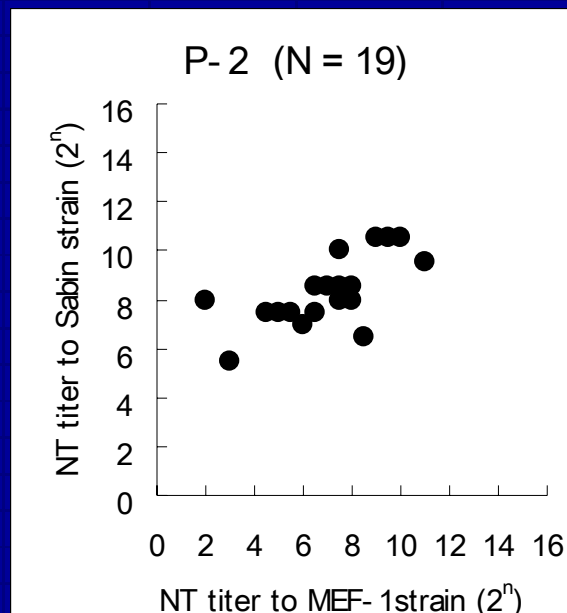
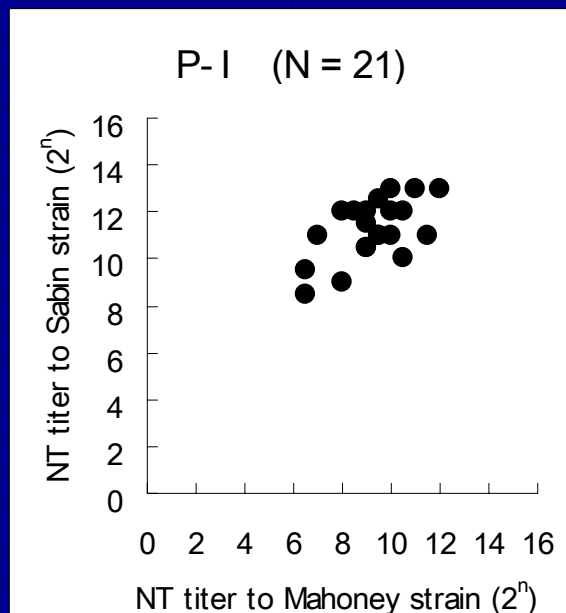


Antibody after two injections of S-IPV to sero-negative infants

	P - 1	P - 2	P - 3
Before	≤ 1.5 *	≤ 1.5	≤ 1.5
After	11.0 *	7.5	8.7
(s.d.)	(1.34)	(1.89)	(1.94)
Number	76	57	92

*log 2

Antibody response to Sabin and virulent strains after two injections of S-IPV to sero-negative infants



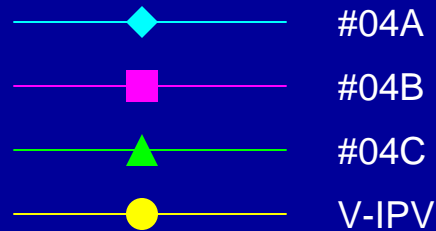
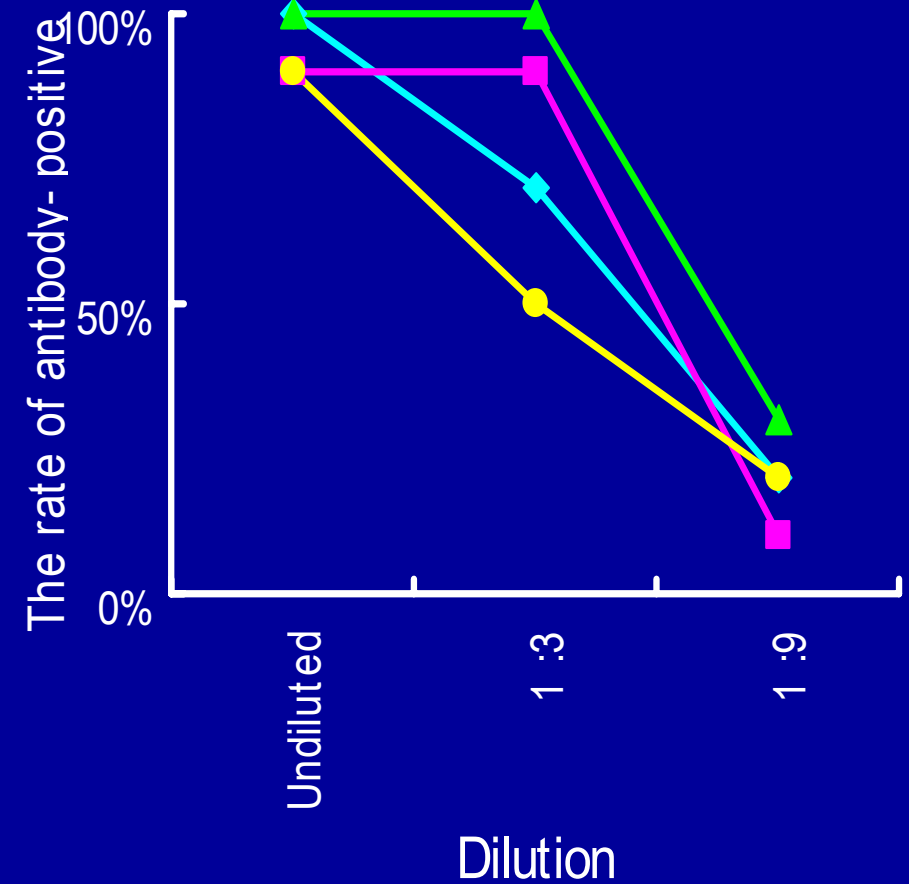
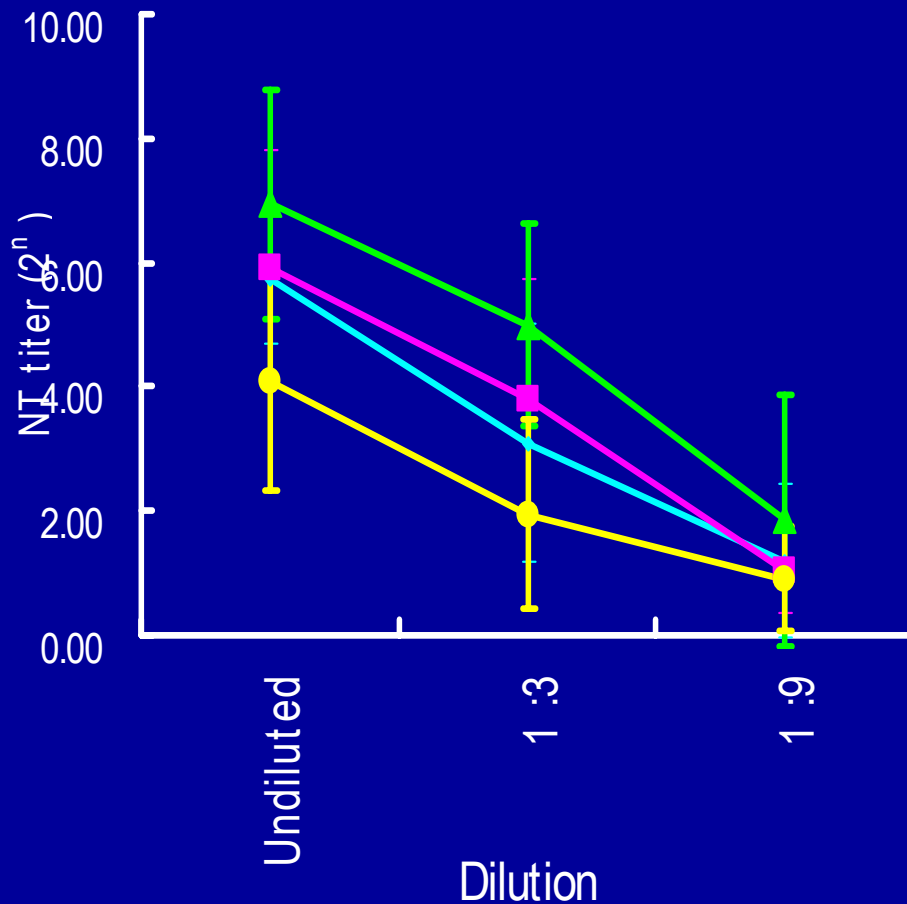
Reformulation of D antigen contents of S-IPV

P-1 30 Du \longrightarrow 3 Du

P-2 45 Du \longrightarrow 100 Du

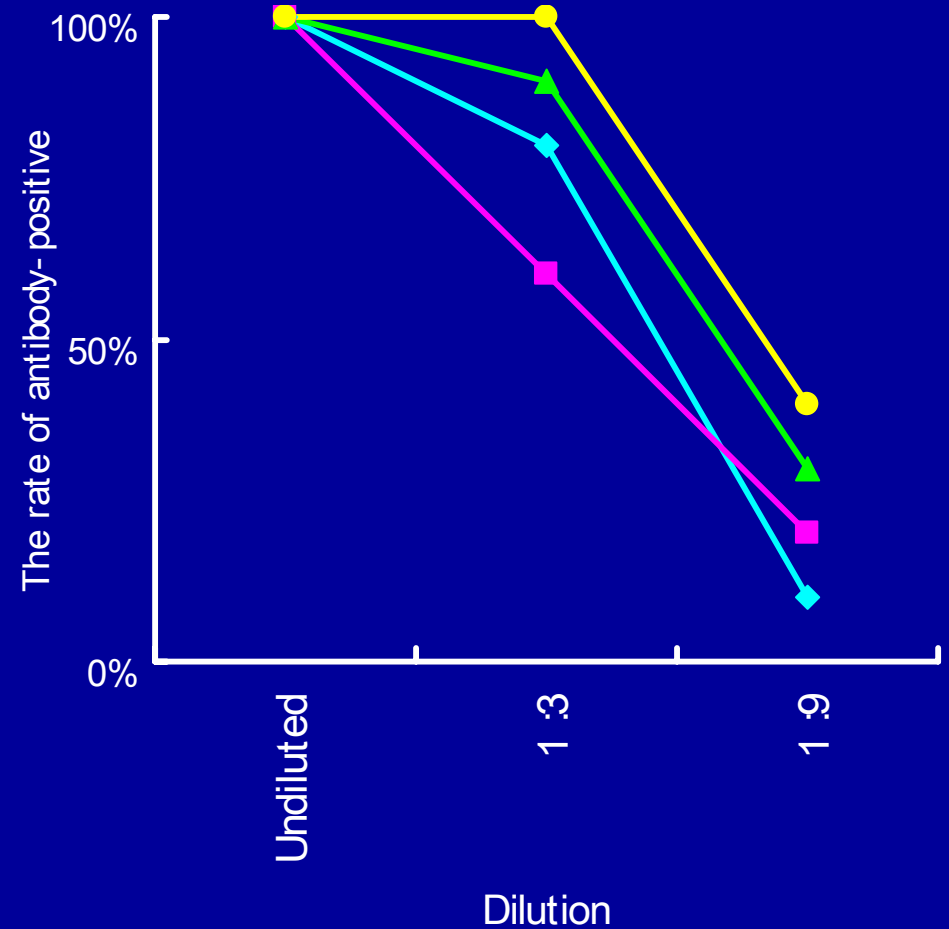
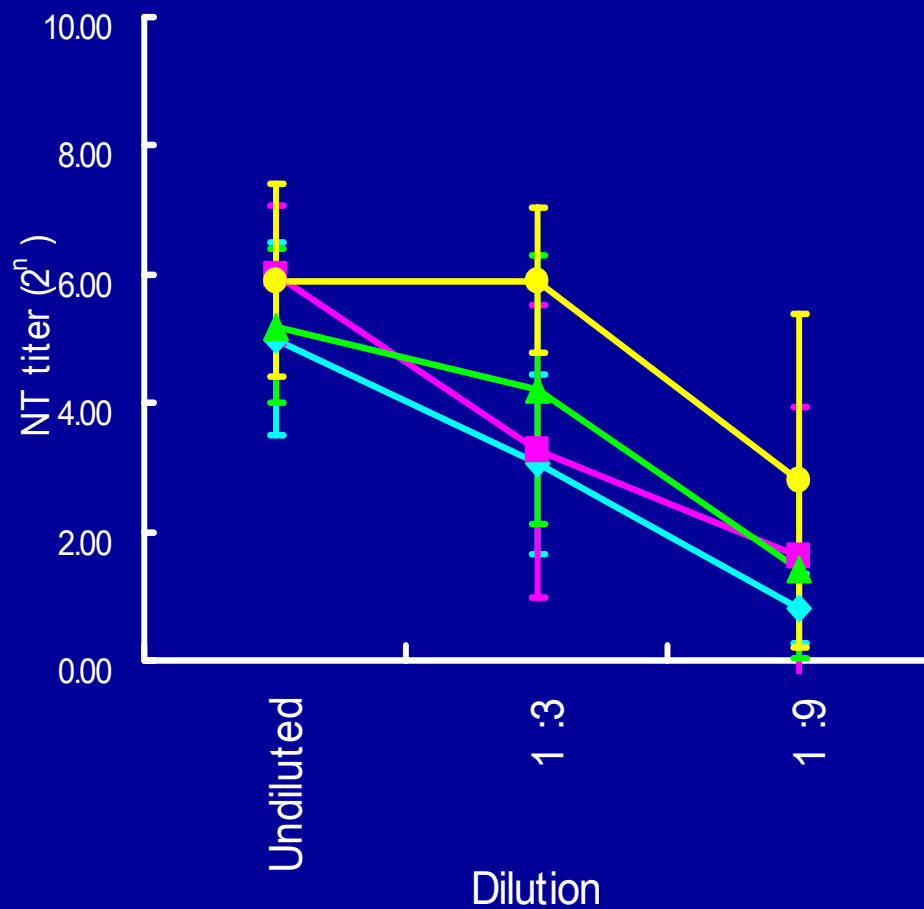
P-3 45 Du \longrightarrow 100 Du

Immunization in Rats(P-1)



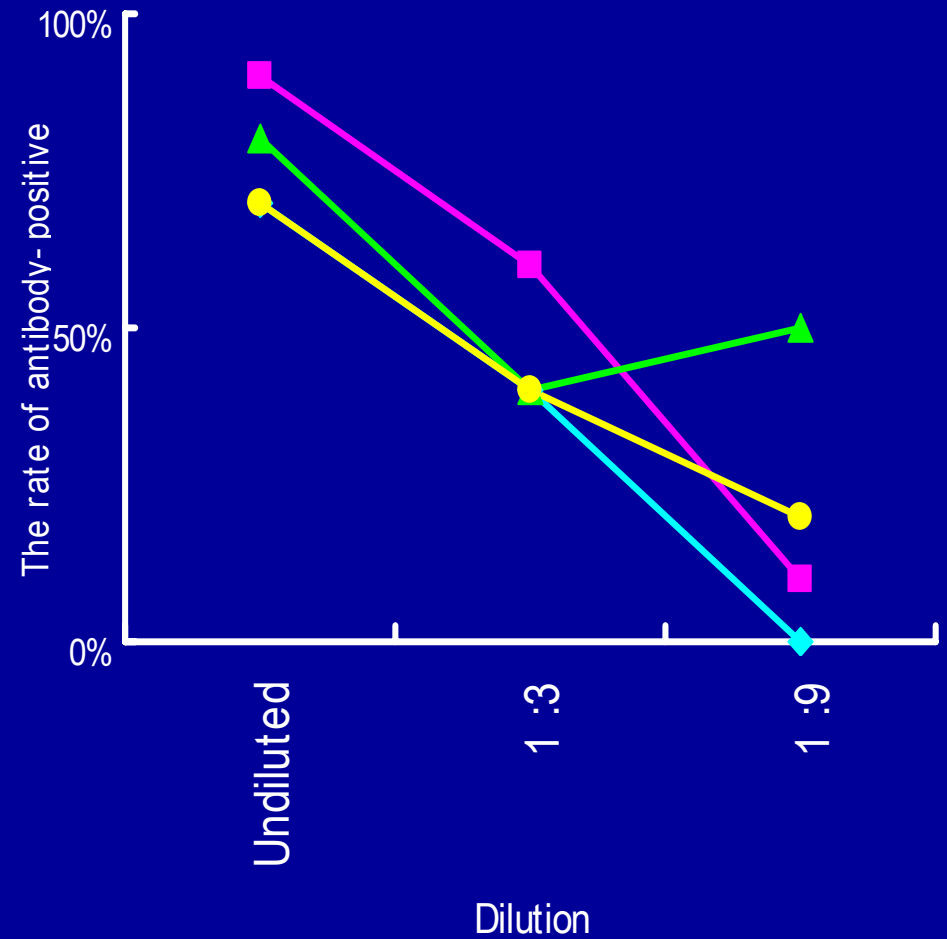
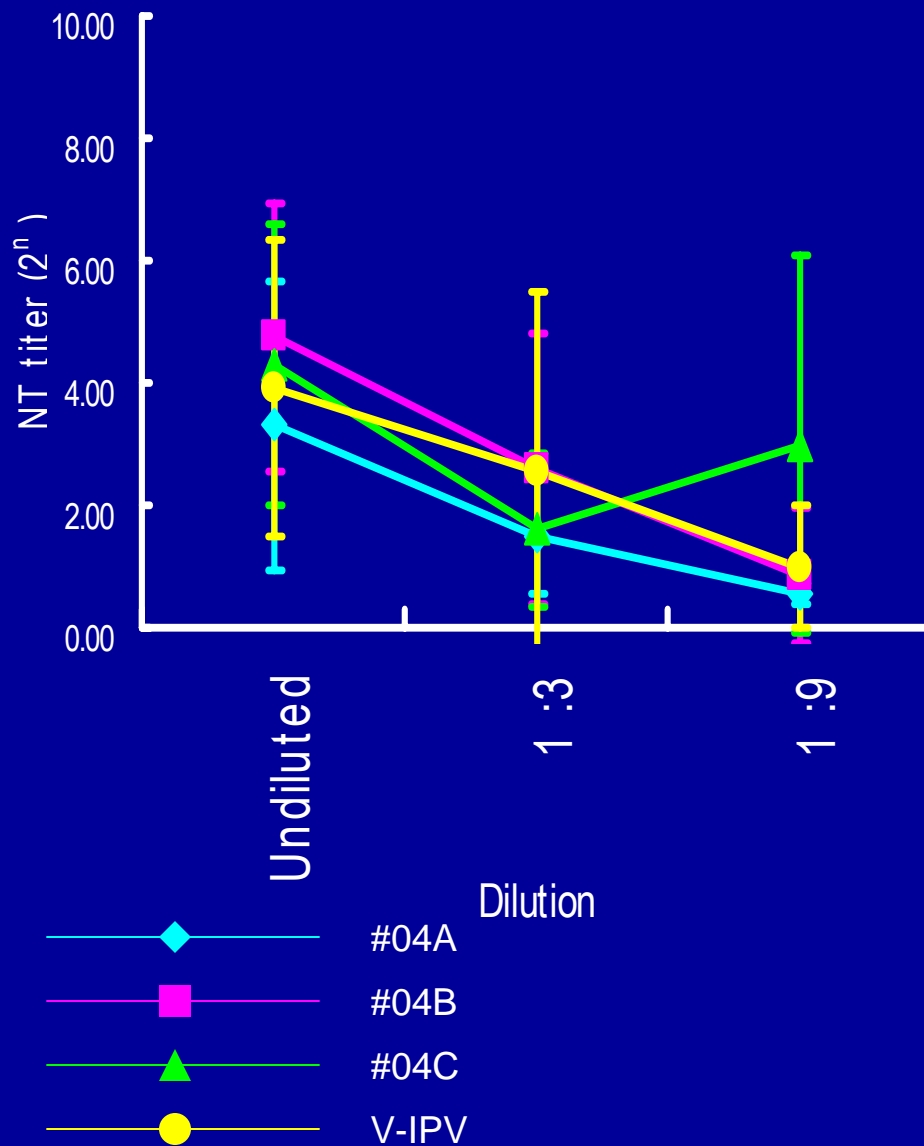
(n=10)

Immunization in Rats(P-2)



(n=10)

Immunization in Rats(P-3)

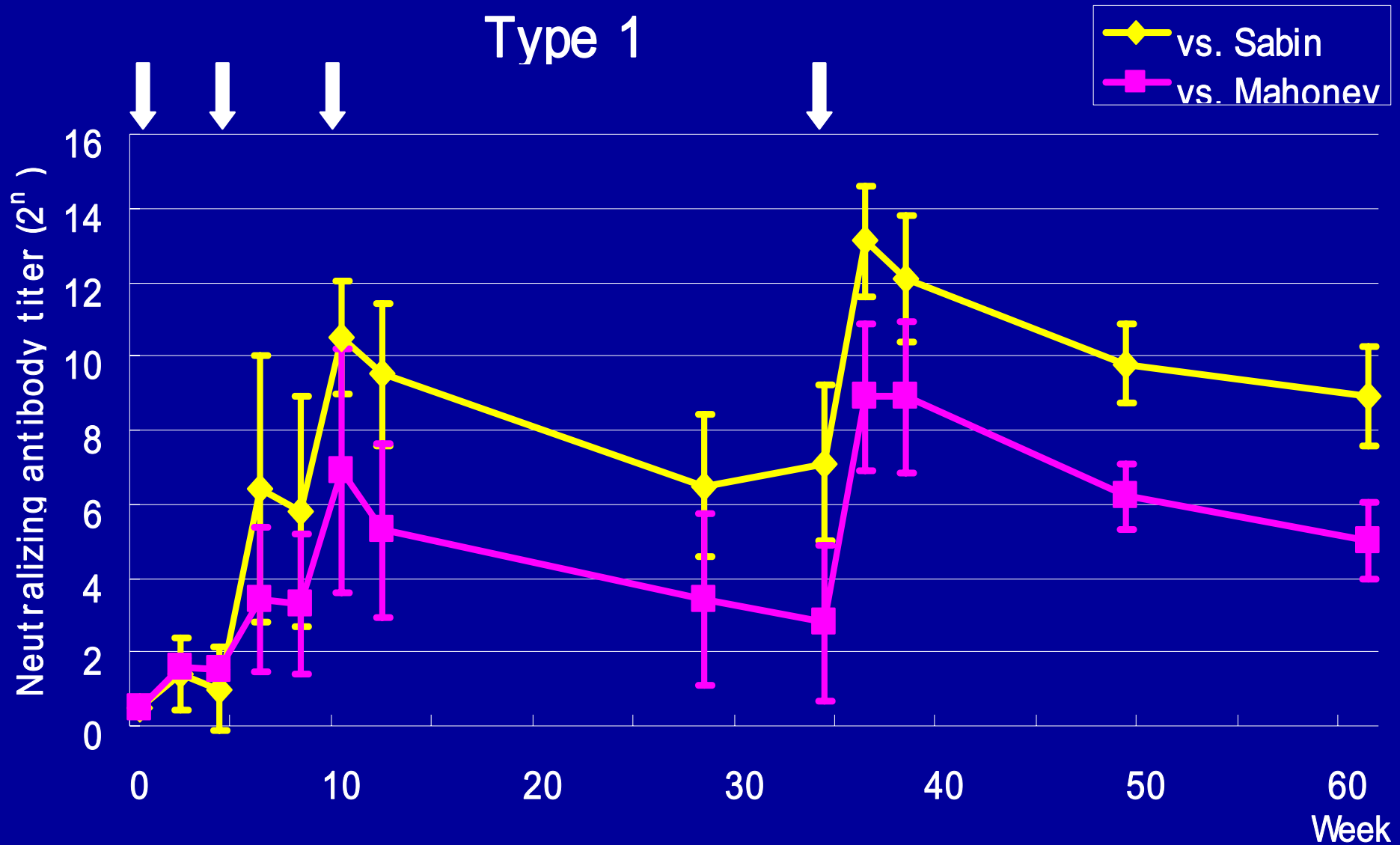


(n=10)

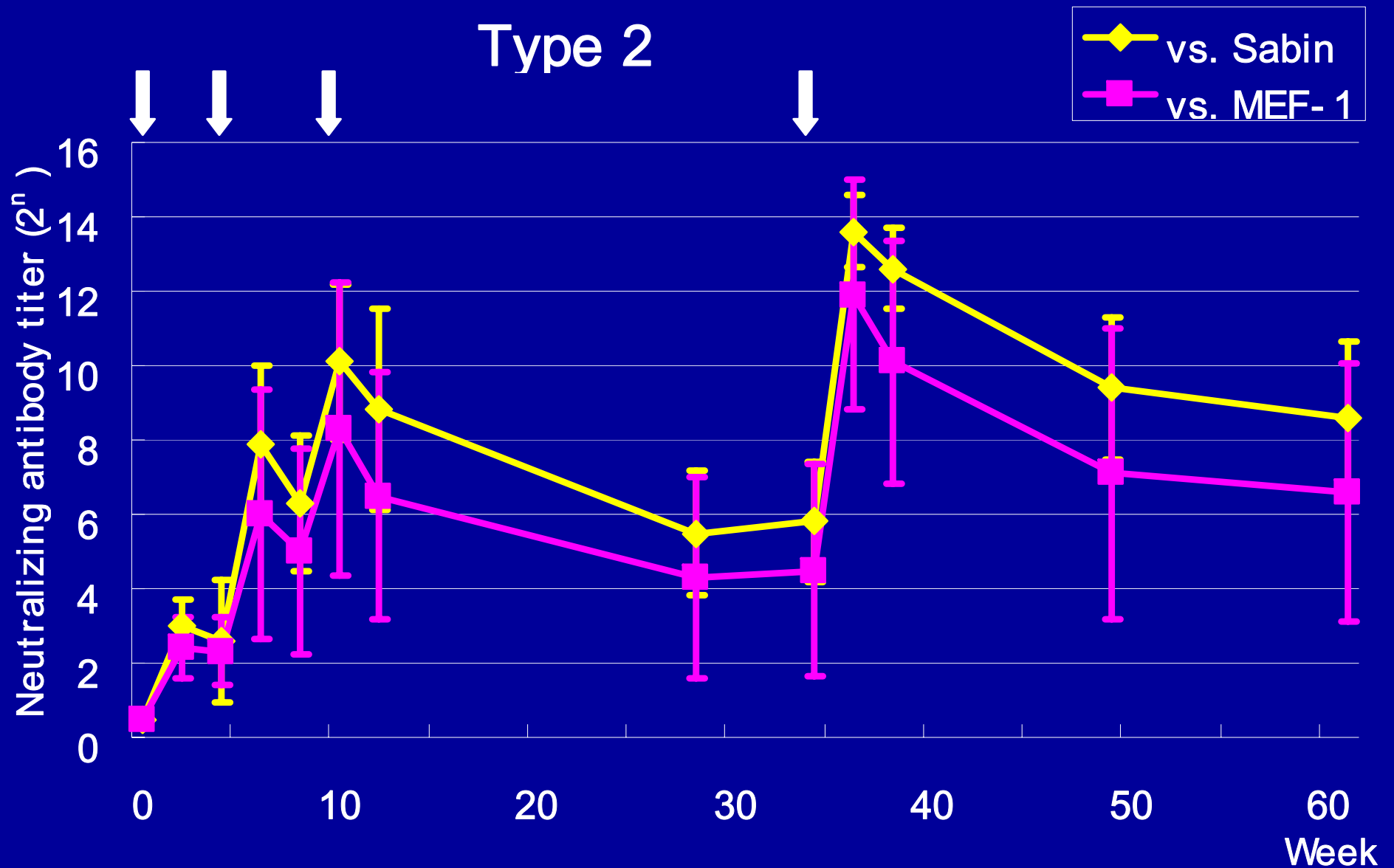
Immunization in green monkeys

- Monkeys : Green monkeys (bred in JPRI) weighing 2.9Kg to 6.6Kg were used.
- S-IPV : S-IPV contains 3, 100 and 100 Du / dose(0.5mL) for P-1, P-2 and P-3, respectively.
- Immunization : Five monkeys (3 males and 2 females) were immunized with 0.5mL of S-IPV by SC route.

Immunization in green monkeys



Immunization in green monkeys



Immunization in green monkeys

